



Specialty Transformer  
PO Box 1701  
Ft. Wayne, IN 46801  
(260) 439-2000

**GE MODEL #:**  
**9T40G0108**

Underwriters' Laboratories Inc Listed

**RATING:**

TFM AL 300 kVA 480(+2,-42.5%) - 240/120 150 C-rise ENERGY\$AVER

Frame = FC78    Type TM  
Temp. Rise (C) = 150    Insulation System = 220C  
Average Sound Level (dB) = 54    @ 50% load & below.  
#REF!    @ over 50% load.

**LOSS DATA:**

Core Loss or No Load Loss @ 100% voltage (Watts) = 500.0  
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts) = 11930.0  
Total Loss @ Rise + 20C reference (Watts) = 12430.0

**DIELECTRIC AND PRODUCTION TESTING:**

Induce Test @ Twice rated voltage 400 Hz per ANSI C89.2 and NEMA ST-20  
Hipot Test for High Voltage winding to Low Voltage and Ground @ 4000 volts 60 Hz 60 Sec.  
Hipot Test for Low Voltage winding to Ground @ 2500 volts 60 Hz 60 Sec.  
Polarity additive in accordance with ANSI C89.2 and NEMA ST-20

**EFFICIENCY:**

Efficiencies at reference temperature of Rise + 20C (Calculated).

Load (%)	Efficiency (%)
25	98.7
35	98.6
50	98.1
75	97.3
100	96.1

Complies with NEMA TP-1

**IMPEDANCE:**

Impedance at reference temperature of Rise + 20C (Calculated).

%R = 4.0  
%X = 6.2  
%Z = 7.4

**REGULATION:**

Regulation at reference temperature of Rise + 20C (Calculated).

PF	Regulation (%)
1.0	4.0
0.8	6.9